Volume 14 2000

BRAIN INJURY

TAYLOR & FRANCIS
Founded 1798

BRAIN INJURY

Editor-in-Chief
Henry Stonnington, *15419 Village Drive, Biloxi, MS 39532, USA.*
Tel.: +1 228 396 9838; Fax: +1 228 396 9784; e-mail: hencon2731@aol.com

Associate Editors
Nathan Cope, *Paradigm Health Corporation, 1001 Galaxy Way, Suite 400, Concord, California 94520, USA. Tel.: +1 510 686 5500; Fax: +1 510 680 4469.*

William McKinlay, *'Ahead' (Community Supported Living), Case Management Services Ltd, 17a Main Street, Balerno, Edinburgh EH14 7EQ, Scotland, UK. Tel.: +44 131 451 5265; Fax.: +44 131 449 5158; e-mail: bill.mckinlay@caseman.co.uk*

Editor: Japan
Takashi Tsubokawa, *Department of Neurological Surgery, Nihon University School of Medicine, 30–11 Oyaguchi-kamimachi, Itabashi-ku, Tokyo 173, Japan.*
Tel.: +81 33 972 8111; Fax: +81 33 554 0425.

Editor: Australasia/Pacific Rim
Jennie Ponsford, *Psychology Department, Epworth Hospital, Bethesda Rehabilitation, 29 Erin Street, Richmond 3121, Australia.*
Tel.: +61 3 420 5239; Fax: +61 3 427 9856; e-mail: mossgiel@c031.aone.net.au

Book Reviews Editor
Brick Johnstone, *Department of Physical Medicine and Rehabilitation, University of Missouri-Columbia Medical School, Rusk Rehabilitation Center DC 046, 1 Hospital Drive, Columbia, Missouri 65212, USA. Tel.: +1 314 882 3101; Fax: +1 314 884 4540; e-mail: brick_johnstone@pmr.missouri.edu*

Editorial Advisory Board

Donald Becker, *UCLA, CA, USA*
Sir Michael Bond, *University of Glasgow, UK*
Neil Brooks, *Brain Injury Services, Essex, UK*
David Burke, *Royal Talbot Hospital, Australia*
Alexandre Castro-Caldas, *Hospital Santa Maria, Lisbon, Portugal*
John Corrigan, *Ohio State University, OH, USA*
Zeev Groswasser, *Lowenstein Hospital Rehabilitation Center, Israel*
Kenneth Jaffe, *University of Washington, WA, USA*
John Jane, *University of Virginia, VA, USA*
Bryan Jennett, *University of Glasgow, UK*
Robert Knights, *Psychologist, Ontario, Canada*
Jeffrey Kreutzer, *Virginia Commonwealth University, USA*
Becky Mahler, *Sheltering Arms Rehabilitation Hospital, VA, USA*
Dennis Matthews, *Children's Hospital, Denver, CO, USA*
Anna Mazzucchi, *University of Parma, Italy*
Walter Oder, *Allgemeine Unfallversicherungsanstalt, Wien, Austria*
Harvey Shapiro, *UC San Diego, CA, USA*
Glenn Seliger, *Helen Hayes Hospital, NY, USA*
Donald Stein, *Emory University, Atlanta, Georgia, USA*
Jean-Luc Truelle, *CMC Foch, Suresnes, France*
Klaus Wiedmann, *Helene-Maier-Stiftung, Landgut Theiseeitz, Brösgener Str. 2, D-01731 Kreischa, Germany*
Nathan Zasler, *Concussion Care Centre of Virginia and Tree of Life, Glen Allen, VA, USA*
George Zitnay, *The Virginia Neurological Institute, VA, USA*
Ed Van Zomeren, *Rijksuniversiteit Groningen, The Netherlands*

Brain Injury

Contents of Volume 14 2000

Volume 14, Number 1, January 2000

FOCUSED ISSUE: Community Integration of Individuals
Edited by Wayne A. Gordon

Contents:

Focused Issue papers:

Preface: A very special issue of *Brain Injury* dedicated to Toby Lawrence for her support of the scientific community, which treats and researches the complicated issues of patients and families afflicted by traumatic brain injuries
H. H. Stonnington 1

Editorial
W. A. Gordon 3

Models for predicting subjective quality of life in individuals with traumatic brain injury
M. Brown, W. A. Gordon and L. Haddad 5

The sensitivity and specificity of self-reported symptoms in individuals with traumatic brain injury
W. A. Gordon, L. Haddad, M. Brown, M. R. Hibbard and M. Sliwinski 21

The unveiling of traumatic brain injury in an HIV/AIDS population
M. P. Jaffe, J. O'Neill, D. Vandergoot, W. A. Gordon and B. Small 35

Axis II psychopathology in individuals with traumatic brain injury
M. R. Hibbard, J. Bogdany, S. Uysal, K. Kepler, J. M. Silver, W. A. Gordon and L. Haddad 45

Ordinary papers:

Predictive validity of the Neurobehavioural Cognitive Status Examination (NCSE) in a post-acute rehabilitation setting
J. J. Wallace, J. S. Caroselli, R. S. Scheibel and W. M. High Jr 63

Correlates of depression in adults with severe traumatic brain injury and their carers
J. M. Douglas and F. J. Spellacy 71

Interpretation and comprehension of linguistic humour by adolescents with head injury: a group analysis
K. Docking, B. E. Murdoch and F. M. Jordan 89

Volume 14, Number 2, February 2000

Original papers:
Preventing traumatic brain injury: an innovative approach to outcomes assessment
J. Farmer, M. Gibler, R. Kavanaugh and J. Johnson 109

Cognitive orientation in rehabilitation and neuropsychological outcome after traumatic brain injury
R. N. Dowler, B. A. Bush, T. A. Novack and W. T. Jackson 117

Cultural variations in the understanding of traumatic brain injury and brain injury rehabilitation
G. Simpson, R. Mohr and A. Redman 125

Sitting balance following brain injury: does it predict outcome?
K. Black, R. Zafonte, S. Millis, N. Desantis, C. Harrison-Felix, D. Wood and N. Mann 141

Kinematic analysis of tongue movements in dysarthria following traumatic brain injury using electromagnetic articulography
J. V. Goozée, B. E. Murdoch, D. G. Theodoros and P D. Stokes 153

Coping style and post-traumatic stress disorder following severe traumatic brain injury
R. A. Bryant, J. E. Marosszeky, J. Crooks, I. Baguley and J. Gurka 175

Emergency department visits associated with traumatic brain injury: United States, 1995–1996
J. L. Guerrero, D. J. Thurman and J. E. Sniezek 181

Electronic memory aids for outpatient brain injury: follow-up findings
H. J. Kim, D. T. Burke, M. M. Dowds, Jr., K. A. Robinson Boone and G. J. Park 187

Case study:
Neuropsychological assessment of a potential "euthanasia" case: a 5 year follow up
T. M. McMillan and C. M. Herbert 197

Erratum 204

Volume 14, Number 3, March 2000

Original papers:
Neuroimaging variables related to development of Secondary Attention Deficit Hyperactivity Disorder after closed head injury in children and adolescents
J. Gerring, K. Brady, A. Chen, C. Quinn, E. Herskovits, K. Bandeen-Roche, M. B. Denckla and R. N. Bryan 205

A randomized trial of two treatments for mild traumatic brain injury: 1 year follow-up
C. Paniak, G. Toller-Lobe, S. Reynolds, A. Melnyk and J. Nagy 219

Attentional deficits in patients with closed head injury: a further study to the discriminative validity of the test of everyday attention
R. C. K. Chan 227

Acute oxygen deprivation: neuropsychological profiles and implications for rehabilitation
C. G. Armengol 237

Relationships: importance for patients with cerebral tumours
C. P. Kaplan and M. E. Miner 251

Evaluating the usage of droperidol in acutely agitated persons with brain injury
S. W. Stanislav and A. Childs 261

Subject review:
The trauma of paediatric and adolescent brain injury: issues and implications for rehabilitation specialists
E. D. Sherwin and G. J. O'Shanick 267

Review of subject:
Minor head injury: predicting follow-up after discharge from the Emergency Department
J. Bazarian, M. Hartman and E. Delahunta 285

Case study:
Music and the brain: the impact of music on an oboist's fight for recovery
P. S. Seibert, L. Fee, J. Basom and C. Zimmerman 295

Volume 14, Number 4, April 2000

Original papers:
Oligodendroglial cell behaviour in traumatic oedematous human cerebral cortex: a light and electron microscopic study
O. J. Castejón and H. V. Castejón 303

Early indication of emergence from vegetative state derived from assessments with the SMART—a preliminary report
S. L. Wilson and H. Gill-Thwaites 319

Self-awareness of traumatically brain injured patients in the acute inpatient rehabilitation setting
A. C. Newman, W. Garmoe, P. Beatty and M. Ziccardi 333

Outcome after shunt implantation in severe head injury with post-traumatic hydrocephalus
G. Tribl and W. Oder 345

Location of the traumatic subdural hygroma: role of gravity and cranial morphology
K. S. Lee, W. K. Bae, S. M. Yoon, J. W. Doh, H. G. Bae and I. G. Yun 355

Disability pensions in relation to traumatic brain injury: a population study
T. W. Teasdale and Aa. W. Engberg 363

Ambulatory care for traumatic brain injuries in the US, 1995–1997
M. Schootman and L. J. Fuortes 373

Cocaine-associated stroke: three cases and rehabilitation considerations
R. D. Tolat, M. W. O'Dell, S. P. Golamco-Estrella and H. Avella 383

Volume 14, Number 5, May 2000

Editorial:
Length and intensity of rehabilitative involvement 393

Subject review:
Conceptual and methodological challenges in discourse assessment with TBI speakers: towards an understanding
P. C. Snow and J. M. Douglas 397

Original papers:
Use and need for post-acute services following paediatric head injury
A. I. Greenspan and E. J. MacKenzie 417

Organic personality disorder after traumatic brain injury: cognitive, anatomic and psychosocial factors. A 6 month follow-up
A. Franulic, E. Horta, R. Maturana, J. Scherpenisse and C. Carbonell 431

Communication abilities and work re-entry following traumatic brain injury
E. Isaki and L. Turkstra 441

Evaluation of an electronic memory aid in the neuropsychological rehabilitation of prospective memory deficits
M. D. van den Broek , J. Downes, Z. Johnson, B. Dayus and N. Hilton 455

Rehabilitation of a person with severe traumatic brain injury
D. Burke, K. Alexander, M. Baxter, F. Baker, K. Connell, S. Diggles, K. Feldman, A. Horny, M. Kokinos, D. Moloney and J. Withers 463

Case studies:
The man who called himself 'hockey stick': a case report including misidentification delusions
M. M. Lewis-Lehr, J. R. Slaughter, J. Rupright and A. Singh 473

Traumatic brain injury, depression and cannabis use—assessing their effects on a cognitive performance
H. C. Payne 479

Book reviews 491

Volume 14, Number 6, June 2000

Original papers:
Age effects on long-term neuropsychological outcome in paediatric traumatic brain injury
K. Verger, C. Junqué, M. A. Jurado, P. Tresserras, F. Bartumeus, P. Nogués and J. M. Poch 495

Long-term mortality trends in patients with traumatic brain injury
I. Baguley, S. Slewa-Younan, R. Lazarus and A. Green 505

Psychiatric treatment outcome following traumatic brain injury
J. S. Burg, R. Williams, R. G. Burright and P. J. Donovick 513

The rehabilitation of attention in individuals with mild traumatic brain injury, using the APT-II programme
C. A. Palmese and S. A. Raskin 535

Awareness of deficits: emotional implications for persons with brain injury and their significant others
C. A. Wallace and J. Bogner 549

Relationship between cognitive capabilities and social participation among people with traumatic brain injury
M. Pépin, C. Dumont and S. Hopps 563

The effects of traumatic brain injury on reporting and responding to causal relations: an investigation of sensitivity to reinforcement contingencies
M. W. Schlund and G. Pace 573

Multimodal early onset stimulation (MEOS) in rehabilitation after brain injury
M. L. Grüner and D. Terhaag 585

Book review 595

Volume 14, Number 7, July 2000

Original papers

MRI analysis of brain atrophy after severe closed-head injury: relation to clinical status
M. C. Henry-Feugeas, P. Azouvi, A. Fontaine, P. Denys, B. Bussel, F. Maaz, Y. Samson and E. Schouman-Claeys 597

Reduced mortality after severe head injury will increase the demands for rehabilitation services
C. Eker, W. Schalén, B. Asgeirsson, P.-O. Grände, J. Ranstam and C.-H. Nordström 605

Effect of depression on neuropsychological functioning in head injury: measurable but minimal
E. M. S. Sherman, E. Strauss, D. J. Slick and F. Spellacy 621

Executive function and verbal working memory in adolescents with closed head injury (CHI)
A. Proctor, B. Wilson, C. Sanchez and E. Wesley 633

Neurobehavioural outcomes of penetrating and tangential gunshot wounds to the head
G. A. Hotz, K. J. Stewart, D. Petrin, P. A. Villanueva, S. M. Cohn, K. J. Nedd, G. Puentes and R. Duncan 649

Factors associated with insomnia among post-acute traumatic brain injury survivors
N. L. Fichtenberg, S. R. Millis, N. R. Mann, R. D. Zafonte and A. E. Millard 659

Effect of growth hormone on brain oedema caused by a cryogenic brain injury model in rats
H. Yamamura, A. Hiraide, T. Matsuoka, H. Tanaka, T. Shimazu and H. Sugimoto 669

Book reviews 677

Volume 14, Number 8, August 2000

Original papers:

Recovery of memory function following traumatic brain injury in pre-school children
V. A. Anderson, C. Catroppa, J. Rosenfeld, F. Haritou and S. A. Morse 679

Assessing subtle memory impairments in the everyday memory performance of brain injured people: exploring the potential of the Extended Rivermead Behavioural Memory Test
P. Wills, L. Clare, A. Shiel and B. A. Wilson 693

Neuropsychological predictors of distress following traumatic brain injury
R. L. Skell, B. Johnstone, L. Schopp, J. Shaw and G. F. Petroski 705

Functional outcome for African Americans and Hispanics treated at a traumatic brain injury model systems centre
D. M. Burnett, T. M. Silver, S. A. Kolakowsky-Hayner and D. X. Cifu 713

Neuropsychological assessment and the Disability Rating Scale (DRS): a concurrent validity study
L. E. Neese, J. S. Caroselli, P. Klaas, W. M. High, Jr., L. J. Becker and R. S. Scheibel 719

Secondary traumatization among wives of PTSD and post-concussion casualties: distress, caregiver burden and psychological separation
N. Ben Arzi, Z. Solomon and R. Dekel 725

Coping and stress in Canadian family caregivers of persons with traumatic brain injuries
P. Minnes, S. Graffi, M. L. Nolte, P. Carlson and L. Harrick 737

Review of subject:
Outcome following traumatic brain injury in the elderly: a critical review
M. J. Rapoport and A. Feinstein 749

Book review 763

Volume 14, Number 9, September 2000

Review of subject:
Post-traumatic amnesia after closed head injury: a review of the literature and some suggestions for further research
S. Ahmed, R. Bierley, J. I. Sheikh and E. S. Date 765

Original papers:
Acute behavioural disturbances related to imaging studies and outcome in mild-to-moderate head injury
J. van der Naalt, A. H. van Zomeren, W. J. Sluiter and J. M. Minderhoud 781

Phonemic and semantic fluencies in traumatic brain injury patients with focal frontal lesions
M. A. Jurado, M. Mataro, K. Verger, F. Bartumeus and C. Junque 789

Chronic neurobehavioural effects of mercury poisoning on a group of Zulu chemical workers
T. J. Powell 797

Electrophysiological indices of persistent post-concussion symptoms
M. Gaetz and H. Weinberg 815

Visual Disorders after traumatic brain injury in developmental age
G. Poggi, G. Calori, G. Mancarella, E. Colombo, P. Profice, F. Martinelli, C. Triscari and E. Castelli 833

Case study:
Phenytoin-induced asterixis—uncommon or under-diagnozed?
W. M. Chi, K. S. G. Chua and K.-H. Kong 847

Volume 14, Number 10, October 2000

Original papers:
SPECT, MR and quantitative MR imaging: correlates with neuropsychological and psychological outcome in traumatic brain injury
S. R. Kesler, H. F. Adams and E. D. Bigler 851

Inhibitory control in children with traumatic brain injury (TBI) and children with attention deficit/hyperactivity disorder (ADHD)
K. Konrad, S. Gauggel, A. Manz and M. Schöll 859

A procedure for testing prospective remembering in persons with neurological impairments
N. Titov and R. G. Knight 877

Coping strategies in patients with acquired brain injury: relationships between coping, apathy, depression and lesion location
A. Finset and S. Andersson 887

Effect of training frequency on face–name recall by adults with traumatic brain injury
K. Hux, N. Manasse, S. Wright and J. Snell 907

Injury severity and neuropsychological and balance outcomes of four college athletes
M. Mrazik, M. S. Ferrara, C. L. Peterson, R. E. Elliott, R. W. Courson, M. D. Clanton and G. W. Hynd 921

Case study:
Naltrexone: effects on motor function, speech, and activities of daily living in a patient with traumatic brain injury
R. Calvanio, D. T. Burke, H. J. Kim, J. Cheng, P. Lepak, J. Leonard, M. A. Dwyer and V. Gavande 933

Volume 14, Number 11, November 2000

Original papers:
Paid attendant carers hold important and unexpected roles which contribute to the lives of people with brain injury
A. McCluskey 943

Behavioural differences between psychiatric patients with confirmed versus non-confirmed traumatic brain injuries
R. Holtzer, R. G. Burright, S. J. Lynn and P. J. Donovick 959

TBI knowledge and pragmatic assessment among Connecticut school speech–language pathologists
S. A. McGrane and P. W. Cascella 975

Cognitive and functional recovery at 6 and 12 months post-TBI
T. A. Novack, A. L. Alderson, B. A. Bush, J. M. Meythaler and K. Canupp 987

Stimulating consciousness and cognition following severe brain injury: a new potential clinical use for lamotrigine
P. E. Chatham Showalter and D. Netsky Kimmel 997

Review of subject:
Slow-to-recover severe traumatic brain injury: a review of outcomes and rehabilitation effectiveness
D. S. Gray 1003

Single case study:
Speech recognition training for enhancing written language generation by a traumatic brain injury survivor
N. J. Manasse, K. Hux and J. L. Rankin-Erickson 1015

Volume 14, Number 12, December 2000

Original papers:
Referral to post-acute care following traumatic brain injury (TBI) in the Australian context
M. Foster, J. Fleming, C. Tilse and L. Rosenman 1035

The clinical value of serum S-100 protein measurements in minor head injury: a Scandinavian multicentre study
T. Ingebrigtsen, B. Romner, S. Marup-Jensen, M. Dons, C. Lundqvist, J. Bellner, C. Alling and S. E. Børgesen 1047

Prevalence of abormal CT-scans following mild head injury
G. L. Iverson, M. R. Lovell, S. Smith and M. D. Fransen 1057

The identification of physiotherapists of the physical problems resulting from a mild traumatic brain injury
B. Quinn and S. J. Sullivan 1063

Electrophysiological evidence for the cumulative effects of concussion
M. Gaetz, D. Goodman and H. Weinberg 1077

Sociodemographic, physical, and psychosocial characteristics of depressed and non-depressed family caregivers of stroke survivors
J. S. Grant, A. A. Bartolucci, T. R. Elliot and J. Newman Giger 1089

Head injury, dissociation and the Ganser syndrome
A. K. Dalfen and A. Feinstein 1101

Index of Authors 1107